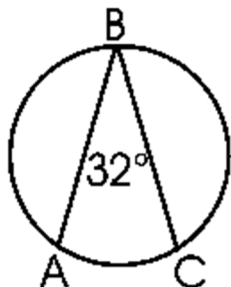


Name _____ Period _____

Geometry Unit 12 Worksheet #3 - Inscribed Angles and Arcs

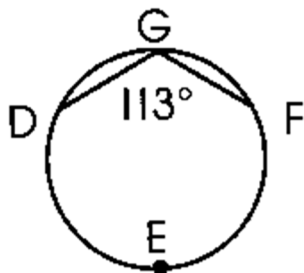
For #1 - 9, find the measure of the arc or angle.

1.



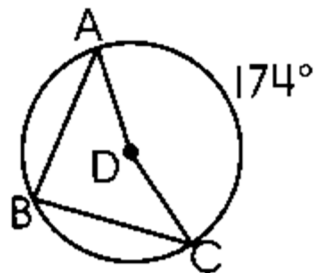
$$m\widehat{AC} = \underline{\hspace{2cm}}$$

2.



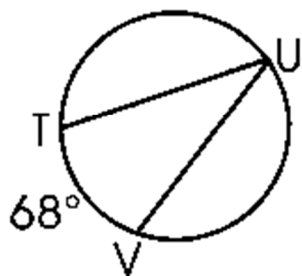
$$m\widehat{DEF} = \underline{\hspace{2cm}}$$

3.



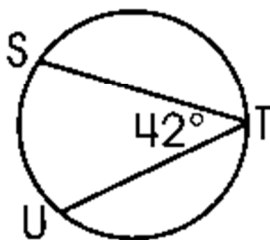
$$m\angle ADC = \underline{\hspace{2cm}} \quad m\angle ABC = \underline{\hspace{2cm}}$$

4.



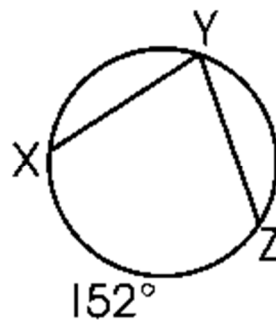
$$m\angle TUV = \underline{\hspace{2cm}}$$

5.



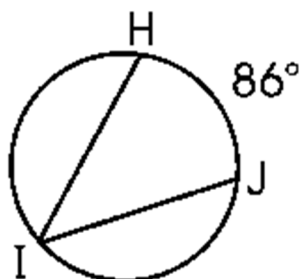
$$m\widehat{SU} = \underline{\hspace{2cm}}$$

6.



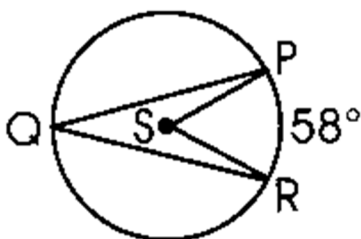
$$m\angle XYZ = \underline{\hspace{2cm}}$$

7.



$$m\angle HIJ = \underline{\hspace{2cm}}$$

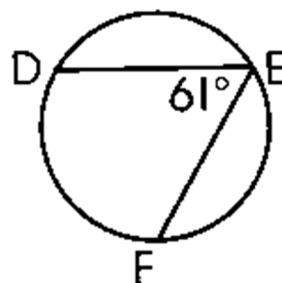
8.



$$m\angle PSR = \underline{\hspace{2cm}}$$

$$m\angle PQR = \underline{\hspace{2cm}}$$

9.

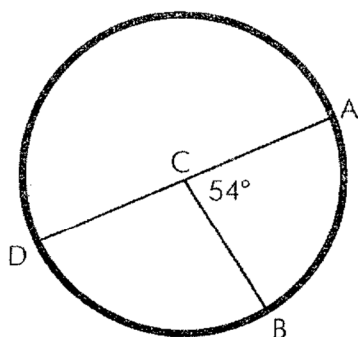


$$m\widehat{DF} = \underline{\hspace{2cm}}$$

What do you call a teacher that loses control over her pupils?

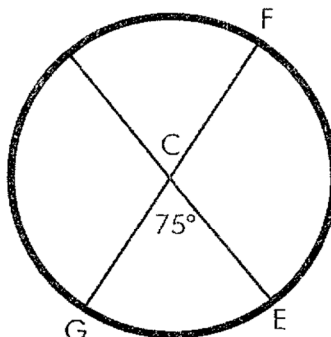
Find the missing angle or arc measures. To figure out the joke, place the letter of each problem above the answer on the line(s) below. Some blanks will go unfilled.

C is the center of the circles



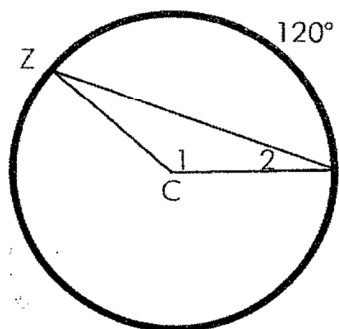
S. $m\widehat{AB} = \underline{\hspace{2cm}}$

E. $m\widehat{BD} = \underline{\hspace{2cm}}$



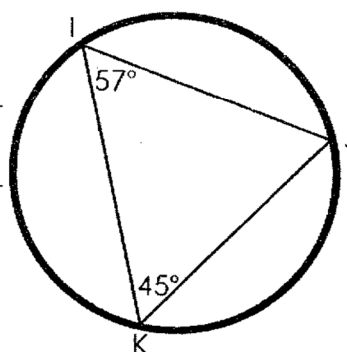
A. $m\widehat{GE} = \underline{\hspace{2cm}}$

H. $m\widehat{EF} = \underline{\hspace{2cm}}$



R. $m\angle 1 = \underline{\hspace{2cm}}$

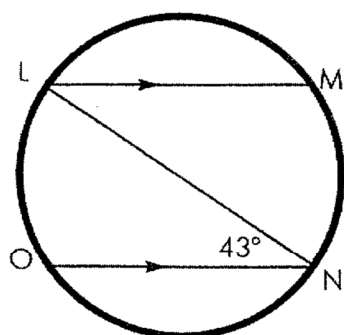
E. $m\angle 2 = \underline{\hspace{2cm}}$



E. $m\widehat{IJ} = \underline{\hspace{2cm}}$

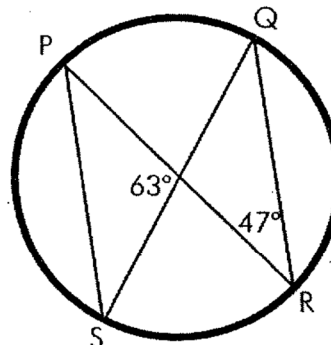
D. $m\widehat{JK} = \underline{\hspace{2cm}}$

C. $m\widehat{IK} = \underline{\hspace{2cm}}$



O. $m\widehat{MN} = \underline{\hspace{2cm}}$

T. $m\widehat{ML} = \underline{\hspace{2cm}}$



Y. $m\angle Q = \underline{\hspace{2cm}}$ C. $m\widehat{SR} = \underline{\hspace{2cm}}$

\overline{LN} is a diameter

140° 120° 86° 54° 54° 20° 90° 70° 126° 114° 10° 94° 90° 75° 156° 105° 30° 120° 84°